GmmoriAe GmmoriAc			GTAACATCTT GTAACATCTT	
GmmoriAe GmmoriAc			TACAGGAATA TACAGGAATA	
	TTATGGCGAT TTATGGCGAT			
GmmoriAe GmmoriAc			AAGGCCATAG AAGGCCATAG	
GmmoriAe GmmoriAc		 	TGACGTCTAT TGACGTCTAT	
GmmoriAe GmmoriAc			AATTATTTAT AAT <u>C</u> ATTTAT	
GmmoriAe GmmoriAc			TTATTAAGTG TTATTAAGTG	
GmmoriAe GmmoriAc	TTTATAAAAT TTTATAAAAT			

Figure 1

Gmmoriae MKFTGIFFII MAIIALFIGS NEAAPKVNVN AIKKGGKAIG KGFKVISAAS Gmmoriac MNFTGIFFMI MAIIALFIGS NEAAPKVNVN AIKKGGKAIG KGFKVISAAS 51 64 Gmmoriae TAHDVYEHIK NRRH*					
GmmoriAe TAHDVYEHIK NRRH*					
Gmmoriac TAHDVYEHIK NRRH*	GmmoriAe GmmoriAc	TAHDVYEHIK	NRRH*		

Figure 2

Figure 3

Figure 4

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1	GTAACAGTACCACCGTGTACAGTCGCAGTAGTTAGTCTTCAATCTTAGTGAAAACTTCGC
61	${\tt TTCTCTTTATCAACCATGAAGCTGACCGGTCTATTTTTCATGATCATGGCGA TGCTCGCC}\\ {\tt MetLysLeuThrGlyLeuPhePheMetIleMetAlaMetLeuAla}\\ {\tt Val}$
121	CTGTTTGTTGGCGCTGGTCAAGCCGACCCTAAGGTGCCCATTGGCGCCATCAAGAAGGGT LeuPheValGlyAlaGlyGlnAlaAspProLysValProlleGlyAlaIleLysLysGly
181	GGCAAAATTATTAAAAAAGGTCTTGGTGTAATTGGTGCCGCTGGTACAGCGCATGAAGTA GlyLysIleIleLysLysGlyLeuGlyValIleGlyAlaAlaGlyThrAlaHisGluVal
241	TATAGCCACGTCAAGAACAGGCATTAGATTCTTGAAGAATATATAGTATATAATTATGAA TyrSerHisVallysAsnArgHis***
301	${\tt GTACTATCCTTTTGTATATGTGACTAAGTGCATAATGTAAAGTCAAATGAA}{{\tt ATATATT}}$
361	ATTTATCCTCGTGCC
	Figure 5
1	ACTTCATTGTGTACAGTTGCAGGACTTAATACTTAGTGAACTACTTACT
61	${\tt ACCATGAAGCTGACCGGTCTATTTCTCATGATCATGGCGGTGCTCGCGCTGTTTGTT$
121	GCTGGTCAAGCCGACCCTAAGGTGCCCATTGGCGCTATCAAGAAGGGCGGCAAAATTATT AlaGlyGlnAlaAspProLysValProIleGlyAlaIleLysLysGlyGlyLysIleIle
181	AAAAAGGGTCTAGGTGTGCTTGGCGCCGCGGGCACAGCGCACGAAGTGTACAACCACGTT LysLysGlyLeuGlyValLeuGlyAlaAlaGlyThrAlaHisGluValTyrAsnHisVal
241	AGGAACAGGCAGTAACGTCATGCGTGATTGTTGTACATACA

Figure 6

301 TCTTGGCTGTGATATATCTTTAGATAAATTAATTTATAATACCACATACTTATTAGTAAA

 ${\tt 361} \qquad {\tt ATACTCAAATATTGATTATAGATACAT} {\tt TAATAAA} {\tt TATTAATTATTACAATATTTTGTT}$

421 TTTATGTACAATGCGAATAGATTCTACCCTCTGCCTCGTGCC

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GmmoriC1 GmmoriC2	GTAACAGTACCACCGTGTACAGTCGCAGTAGTTAGTCTTCAATCTTAGTGAAAACTTCGCACTTCATTGTGTACAGTTGCAGGACTTAATACTTAGTGAACTACTTAC	
GmmoriC1 GmmoriC2	${\tt TTCTCTTTATCAACC} \textbf{ATG} \textbf{AAGCTGACCGGTCTATTTTCATGATCATGGCGATGCTCGCCTCCTCGTTACCAACC} \textbf{ATG} \textbf{AAGCTGACCGGTCTATTTCTCATGATCATGGCGGTGCTCGCCGC}$	
GmmoriC1 GmmoriC2	$\tt CTGTTTGTTGGCGCTGGTCAAGCCGACCCTAAGGTGCCCATTGGCGCCATCAAGAAGGGTCTGTTTGTT$	180 168
GmmoriC1 GmmoriC2	$\tt GGCAAAATTATTAAAAAAGGTCTTGGTGTAATTGGTGCCGCTGGTACAGCGCATGAAGTAGGCAAAATTATTAAAAAA\underline{G}GGTCT\underline{A}GGTGT\underline{GC}TTGG\underline{C}GCC\underline{G}GG\underline{C}ACAGCGCA\underline{C}GAAGT\underline{G}$	
GmmoriC1 GmmoriC2	$\texttt{TATAGCCACGTCAAGAACAGGCAT} \textbf{TAGATTCTTGAAGAATATATAGTATATA}. \texttt{ATTA} \texttt{T} \\ \texttt{TA\underline{C}\underline{A}\underline{A}CCACGT} \underline{\textbf{T}\underline{A}\underline{G}} \\ \texttt{GAACAGGCA} \underline{\textbf{G}} \\ \textbf{TA\underline{A}\underline{C}} \\ \texttt{CATAGCATACATACAGTACTT} \\$	
GmmoriC1 GmmoriC2	${\tt GAAGTACTATCC.TTTTGTATATGTGAC.TAAGTGCATAATGTAAAGTCAAATGAAATTAATATACCACAT}$ ${\tt ACAATACGATTTGTCTTGGCTGTGATATATCTTTAGATAAATTAATT$	355 347
GmmoriC1 GmmoriC2	ATATTATTTATCCTCGTGCC 375 ACTTATTAGTAAAATACTCAAATA 462	

Figure 7

GmmoriC1	MKLTGLFFMIMAMLALFVGAGQADPKVPIGAIKKGGKIIKKGLGVIGAAG
GmmoriC2	MKLTGLF <u>L</u> MIMA <u>V</u> LALFVGAGQADPKVPIGAIKKGGKIIKKGLGV <u>L</u> GAAG
GmmoriC1	TAHEVYSHVKNRH
GmmoriC2	TAHEVY <u>N</u> HV <u>R</u> NR <u>Q</u>

Figure 8

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Bmmor	MNILKFFFVFIVAMSLVSCS-TAAPAKIPIKAIKTVGKAVGKGLRAINIASTANDVFNFLKPKKRKH-
Hpmor	AMSLVSCS-TAAPAKIPIKAIKTVGKAVGKGLRAINIASTANDVFNFLKPKKRKH-
Hvvir	GKIPIGAIKKAGKAIGKGLRAVNIASTAHDVYTFFKPKKR-H-
Slmor	MKLTKVFVILIVVVALLVPS-EAAPGKIPVKAIKKAGAAIGKGLRAINIASTAHDVYSFFKPKHKKKH
Semor	MKLTKVFVIVIVVVALLVPS-EAAPGKIPVKAIKKAGTAIGKGLRAINIASTAHDVYSFFKPKHKKKH
Msmor	MKLTSLFIFVIVALSLLFSSTDAAPGKIPVKAIKQAGKVIGKGLRAINIAGTTHDVVSFFRPKKKKH-
CiP1647	RKIPVEAIKKGASRAWRALDLASTAYDIASIFNRKRE-
CiP1648	GKIPVEALKKGAKVAGRAWRALDLASTAYDIAHLFDRKRN-
CiP1646	GKIPINAIRKGAKAVGHGLRALNIASTAHDIASAFHRKRKH
GmmoriB	MRLSIILVVVMMVMAMFVSSGDAAPGKIPVKAIKKGGQIIGKALRGINIASTAHDIISQFKPKKKKNH
GmmoriC1	MKLTGLFFMIMAMLALFVGAGQADP-KVPIGAIKKGGKIIKKGLGVIGAAGTAHEVYSHVKNRH
GmmoriC2	MKLTGLFLMIMAVLALFVGAGQADP-KVPIGAIKKGGKIIKKGLGVLGAAGTAHEVYNHVRNRQ
BmmorX	MYFLKYFIVVLVALSLMICSGQADP-KIPVKSLKKGGKVIAKGFKVLTAAGTAHEVYSHVRNRGNQG-
GmmoriA	MKFTG1FF11MA11ALF1GSNEAAP-KVNVNA1KKGGKA1GKGFKV1SAASTAHDVYEH1KNRRH

Figure 9